

FIG. 1

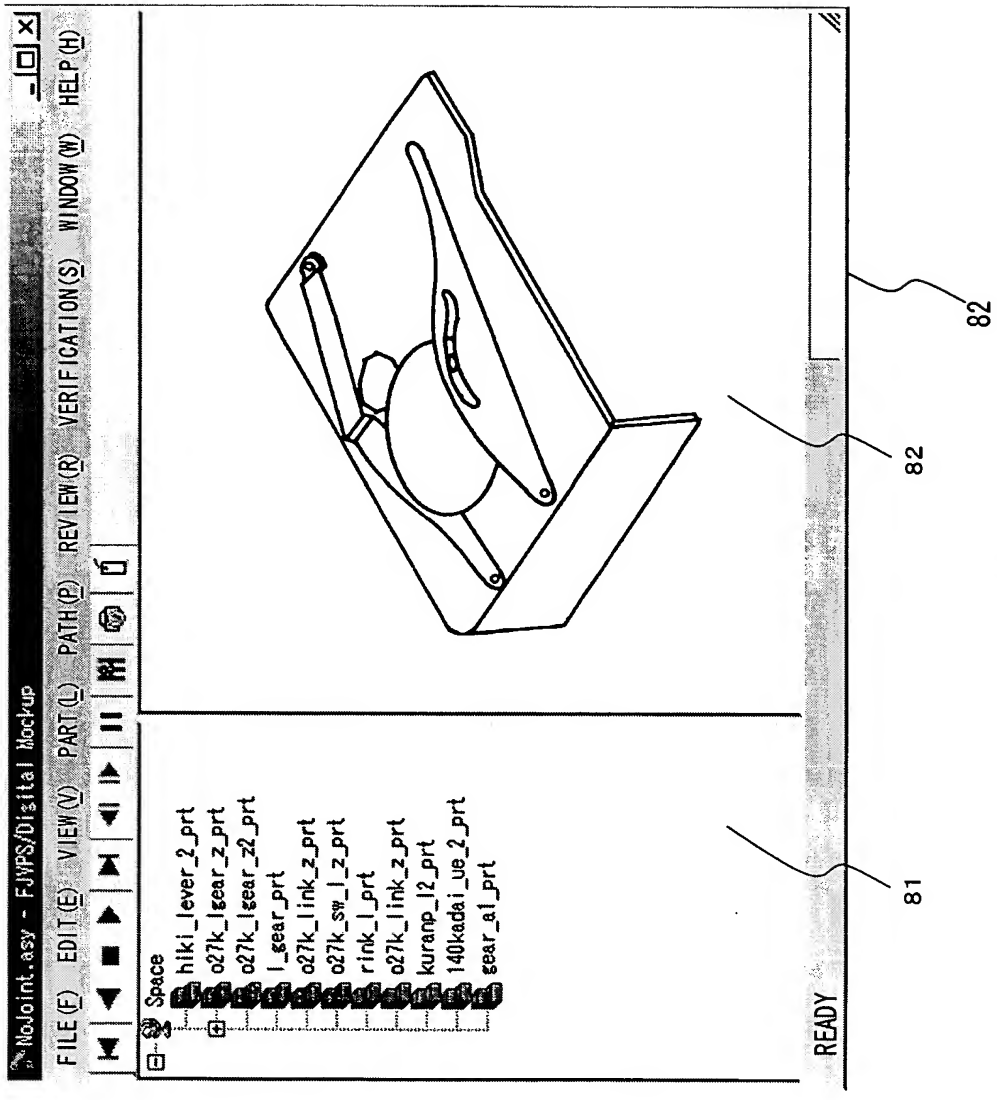


FIG. 2

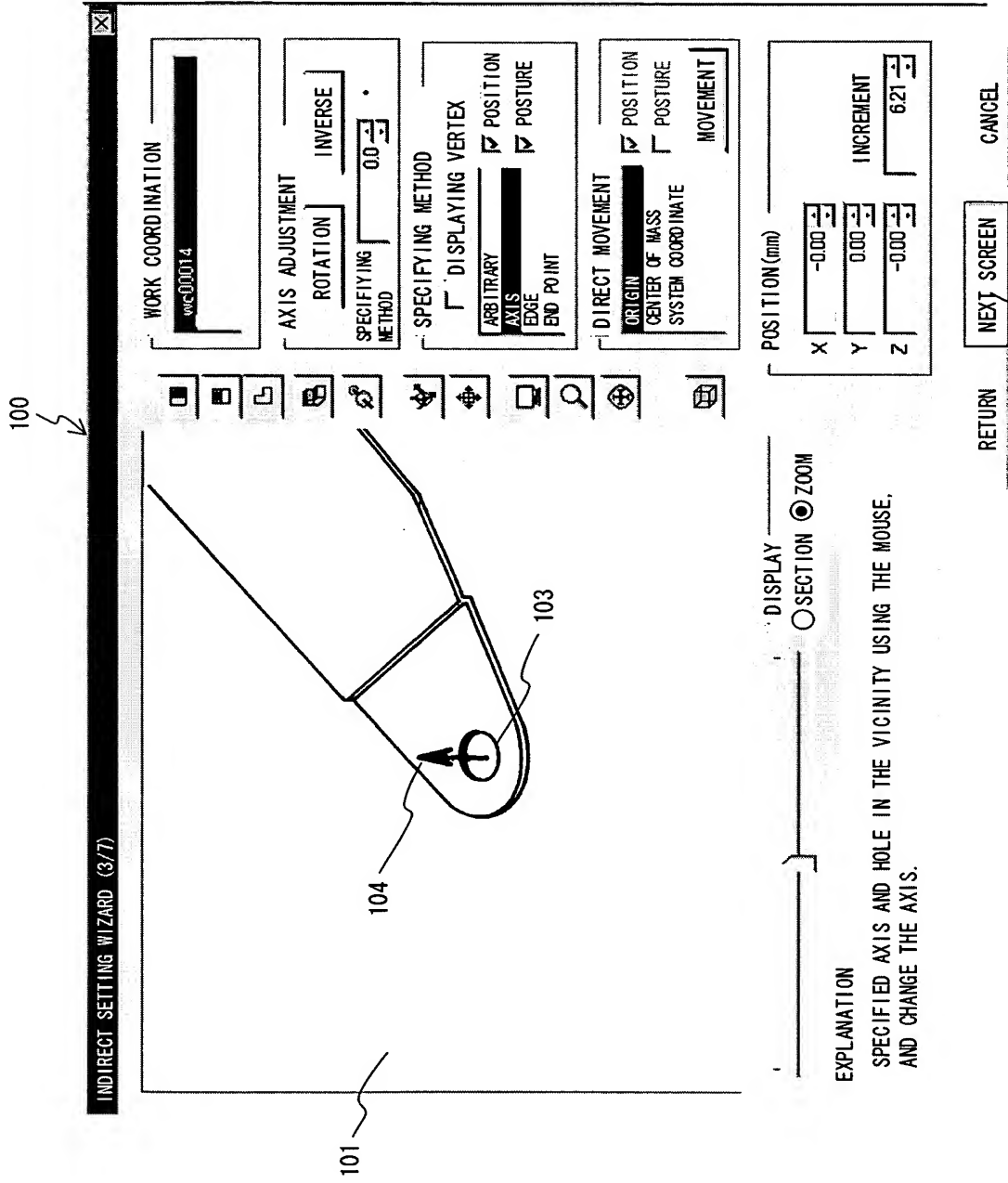
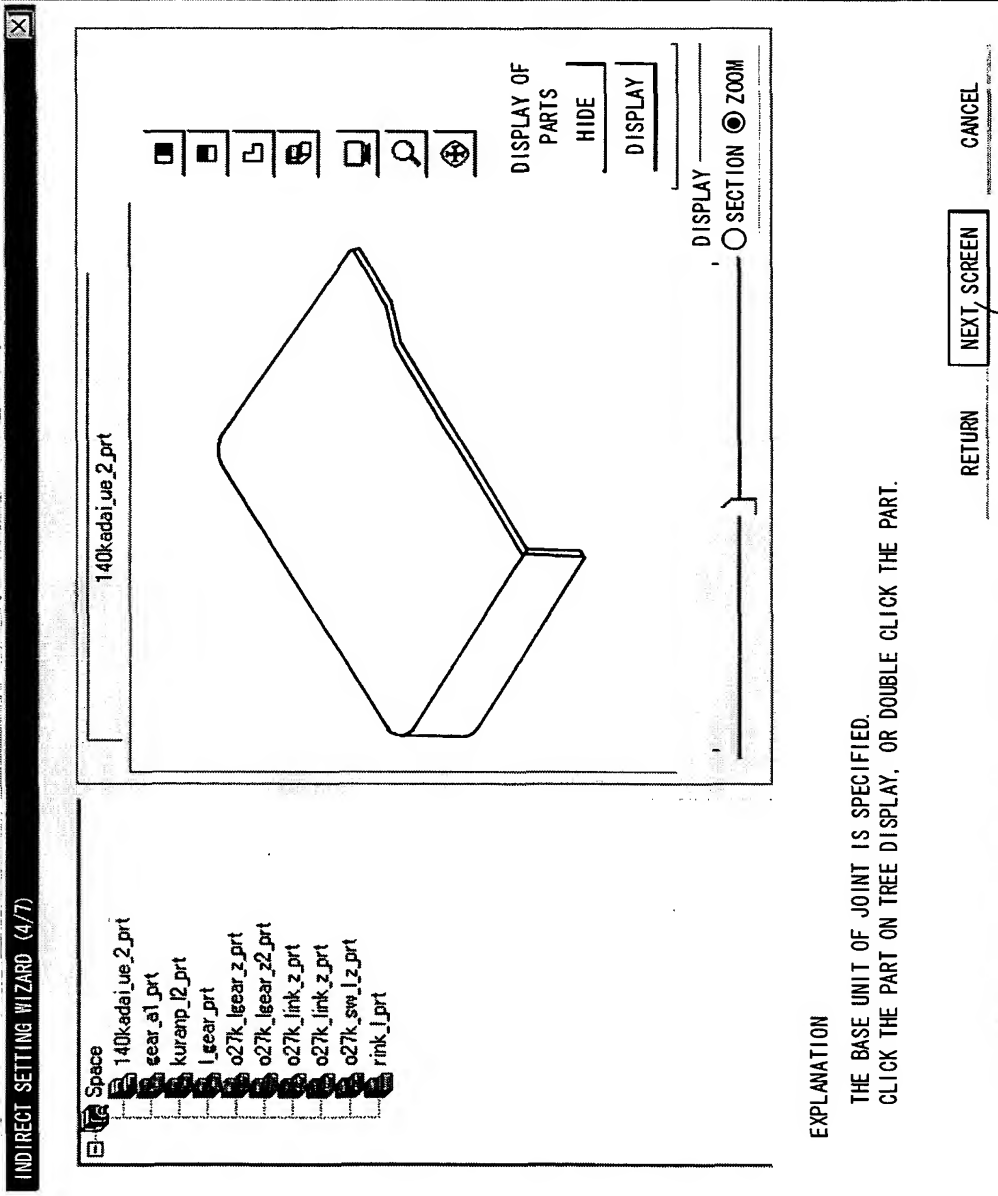


FIG. 4

102

110



EXPLANATION

THE BASE UNIT OF JOINT IS SPECIFIED.

CLICK THE PART ON TREE DISPLAY, OR DOUBLE CLICK THE PART.

FIG. 5

111

INDIRECT SETTING WIZARD (7/7)

JOINT NAME JointAsy0016

MOVING RANGE

☒ MINIMUM
VALUE

0.000

☒ MAXIMUM
VALUE

20.000

☐ THE TEST OF RESTRICTED
CONDITIONS

INITIAL CONDITION

INITIAL
POSITION

INVERSE
DIRECTION

DRIVE

CURRENT
VALUE

MAXIMUM

19.000

INCREMENT

1

EXPLANATION

SET THE MOVING RANGE OF THE JOINT IF NECESSARY.

DRIVE AXIS

☒

ROLL

☒

PITCH

☒

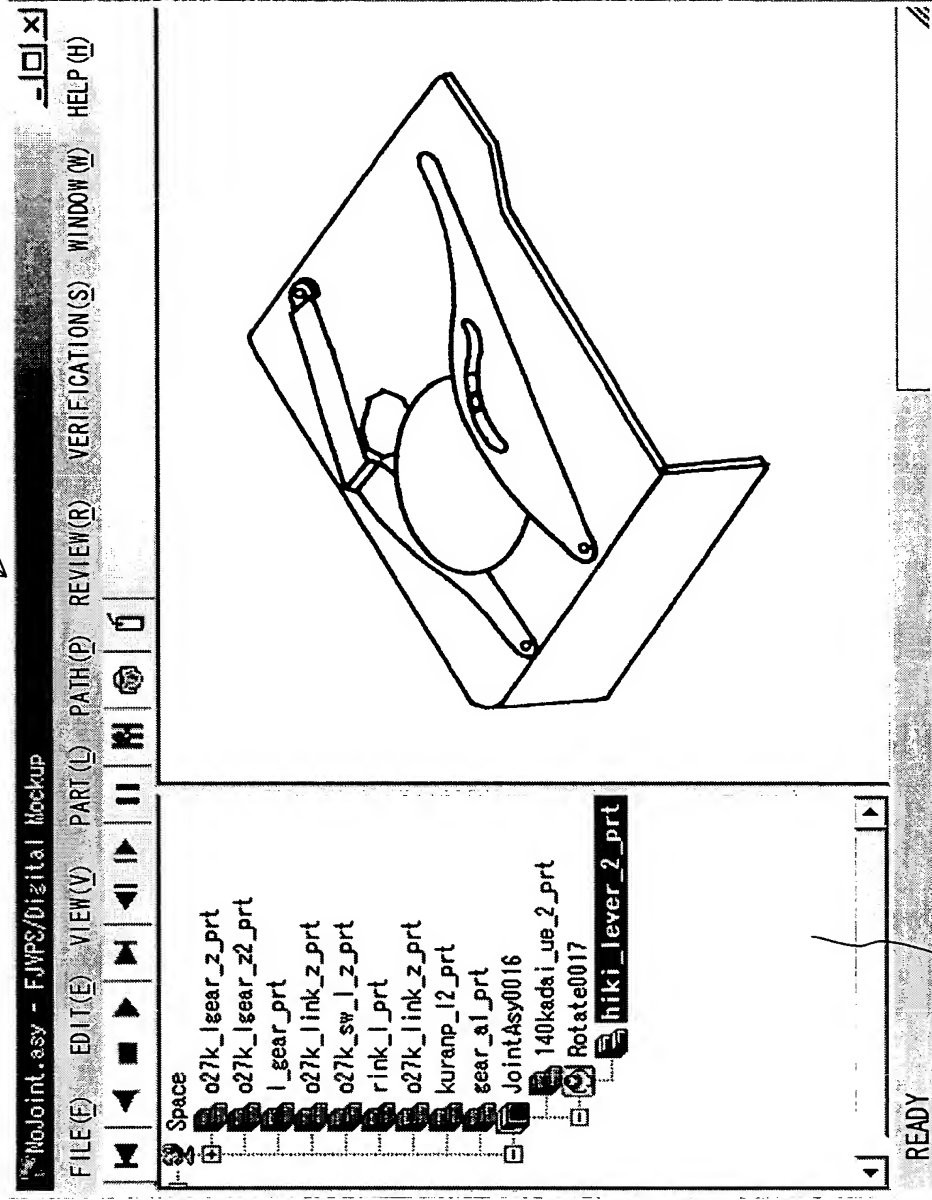
YAW

RETURN

NEXT SCREEN

CANCEL

130



131

FIG. 7

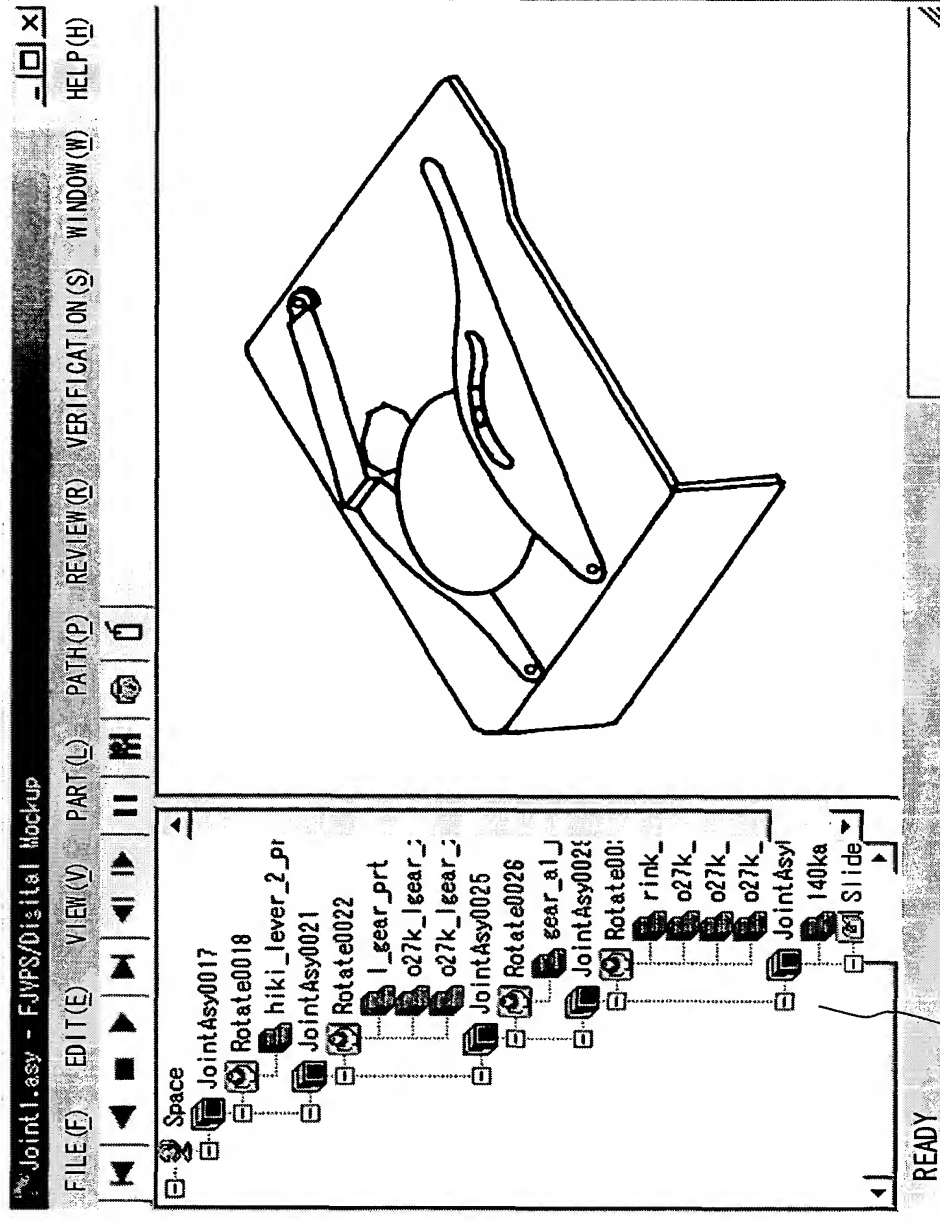




FIG. 8

RELATION CLASSIFICATION SETUP

SET RELATION FOR JOINT PART.

TYPE _____

SPECIFY TYPE OF SET RELATION.

EXPLANATION

- (1) MOVING (INTERLOCKED) UNIT.
- (2) SET THE MOVING RANGE OF DRIVE PART.
- (3) SET THE OPERATION WHILE CHECKING ON THE SCREEN.

RETURN NEXT SCREEN CANCEL

FIG. 9



RELATION DRIVE PART SPECIFICATION

X

DRIVE PART

Rotate0018

LIST OF SET RELATIONS

LIST OF SUBORDINATELY MOVING PARTS

RELEASE

MODE

ADD

EDIT

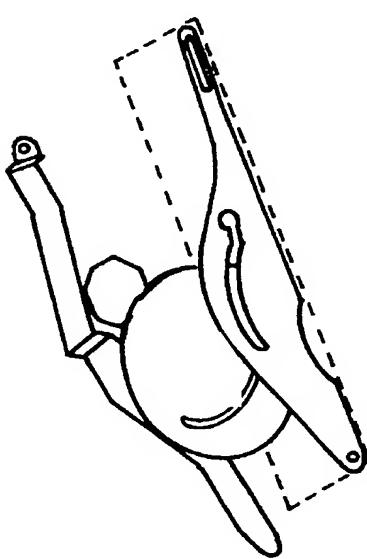
RETURN

NEXT SCREEN

CANCEL

161

X



EXPLANATION

SPECIFY THE PART OF A DRIVE SOURCE FOR MOVING RELATED PARTS.
WHEN A RELATION-SET PART IS SELECTED, EDIT THE SET CONTENTS OF
ADD THE SUBORDINATELY MOVING PART.

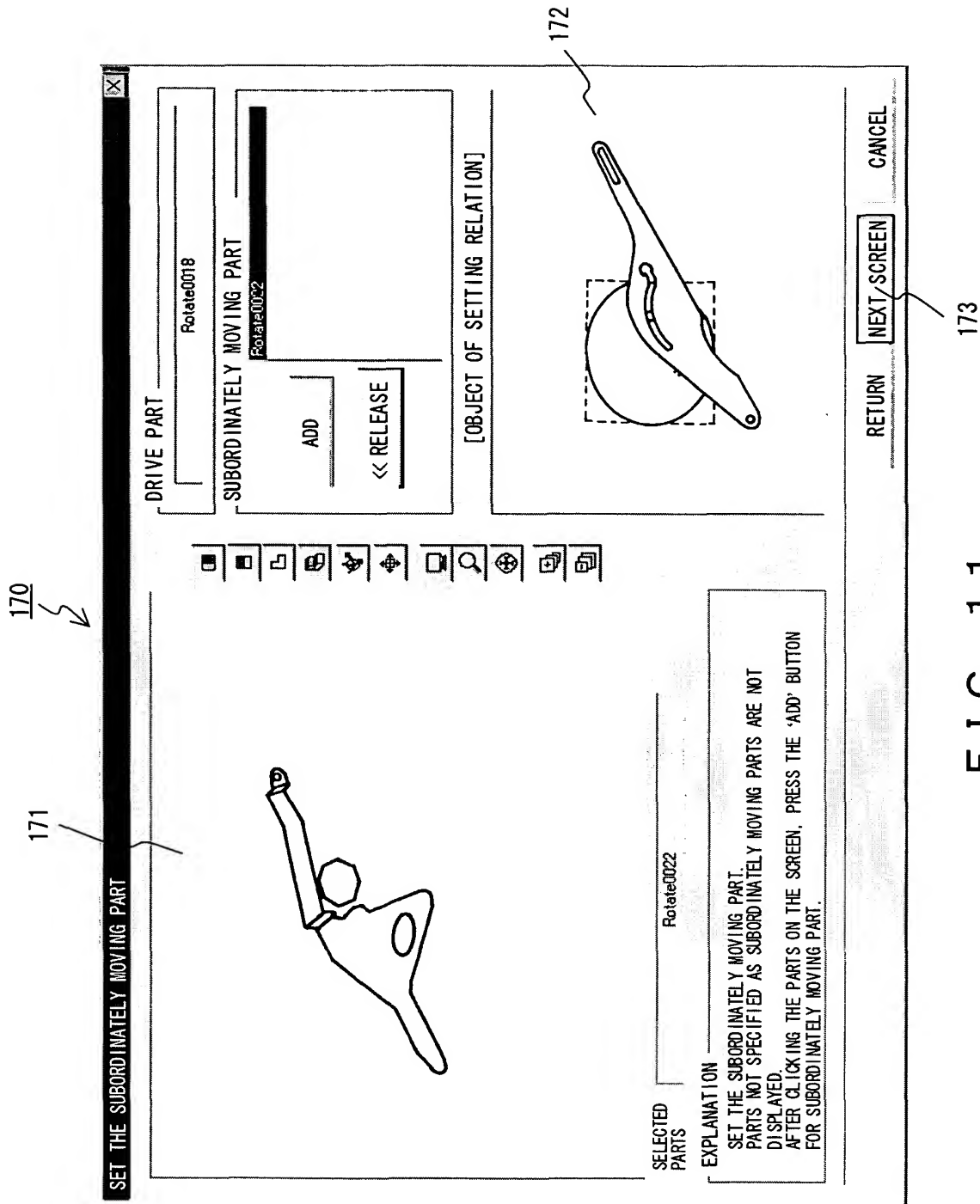
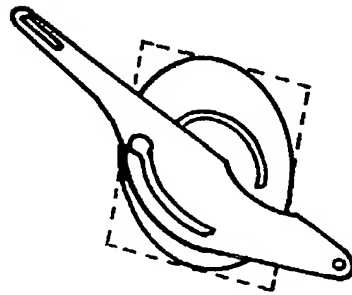


FIG. 11

180



SELECTED PARTS

CURRENT VALUE

95.600 \div

INCREMENT

1.000 \div

PARTS OPERATION

VIEWING OPERATION

AUXILIARY OPERATION

EXPLANATION

RELATION TO BE SET. THE MOVING RANGE OF A JOINT IS SPECIFIED.

SELECTED PARTS

| DRIVE | PART NUMBER | STARTING POINT | END POINT |
|-------|-------------|----------------|-----------|
| ○ | Rotate0018 | 0.00 | 33.00 |
| | Rotate0022 | 0.00 | 95.60 |

FETCHING STARTING POINT 183

FETCHING END POINT 184

☒ REFLECT ALL PARTS

PARTS TO BE DISPLAYED TOGETHER

START ADDITION

RELEASE

RETURN NEXT SCREEN CANCEL

FIG. 12

191

190

GROOVE/CAM MANUAL SETUP

SELECTED PARTS

CURRENT VALUE

16955

INCREMENT

1.000

PARTS OPERATION

AUXILIARY OPERATION

EXPLANATION

AFTER FETCHING THE POSITION, THE SETTING BUTTON IS PRESSED, THEREBY SETTING THE INTERLOCK SYSTEM.

SETTING INTERLOCK SYSTEM

| No | Rotate0 | Rotate0 |
|----|---------|---------|
| 1 | 0.000 | 0.000 |
| 2 | 2023 | 4.773 |
| 3 | 5155 | 12.957 |
| 4 | 6.705 | 16.955 |
| 5 | 33.000 | 95.600 |

FETCH>>

<<RELEASE

CLEAR

OUTWARD

FORWARD THE PART AT FETCH

HYSTERESIS

VALID

SET

RELEASE

STORE

READ

DRIVE PART

START

RIGHT DIRECTION

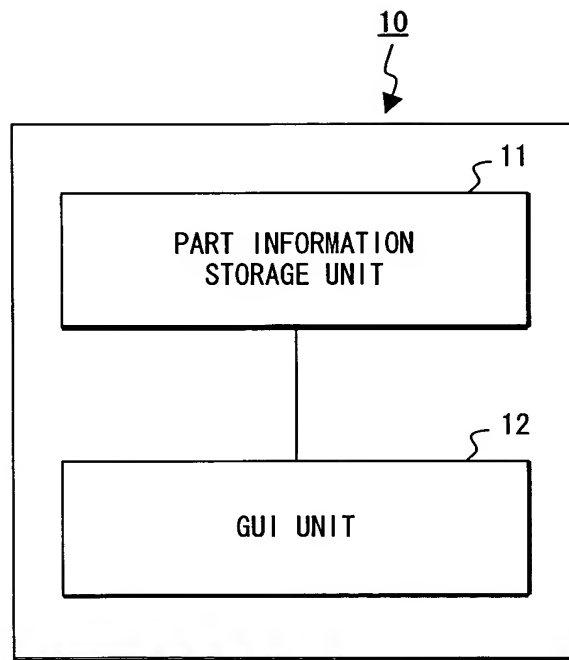
INVERSE DIRECTION

RETURN

NEXT SCREEN

CANCEL

FIG. 13



F I G. 1 4

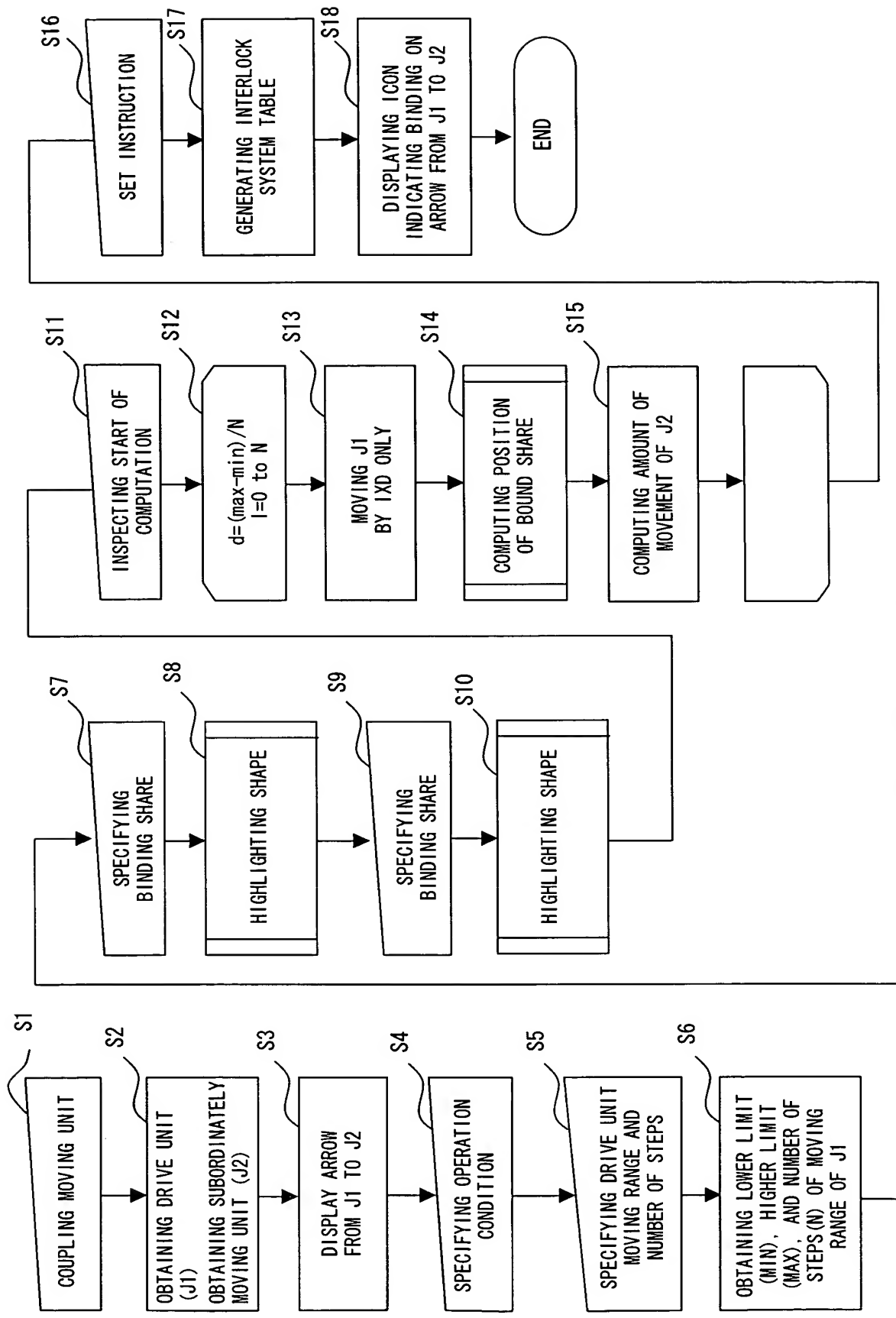


FIG. 15

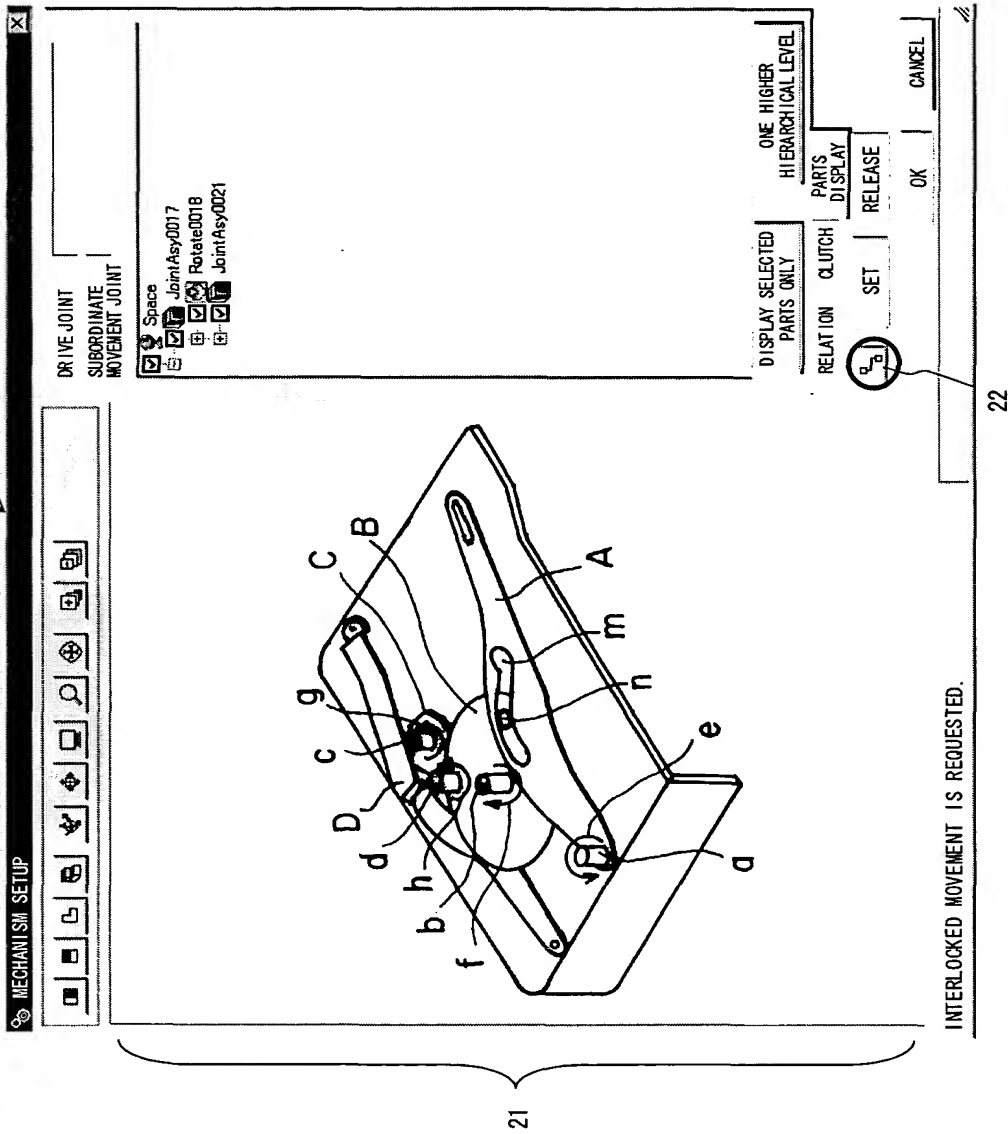


FIG. 16

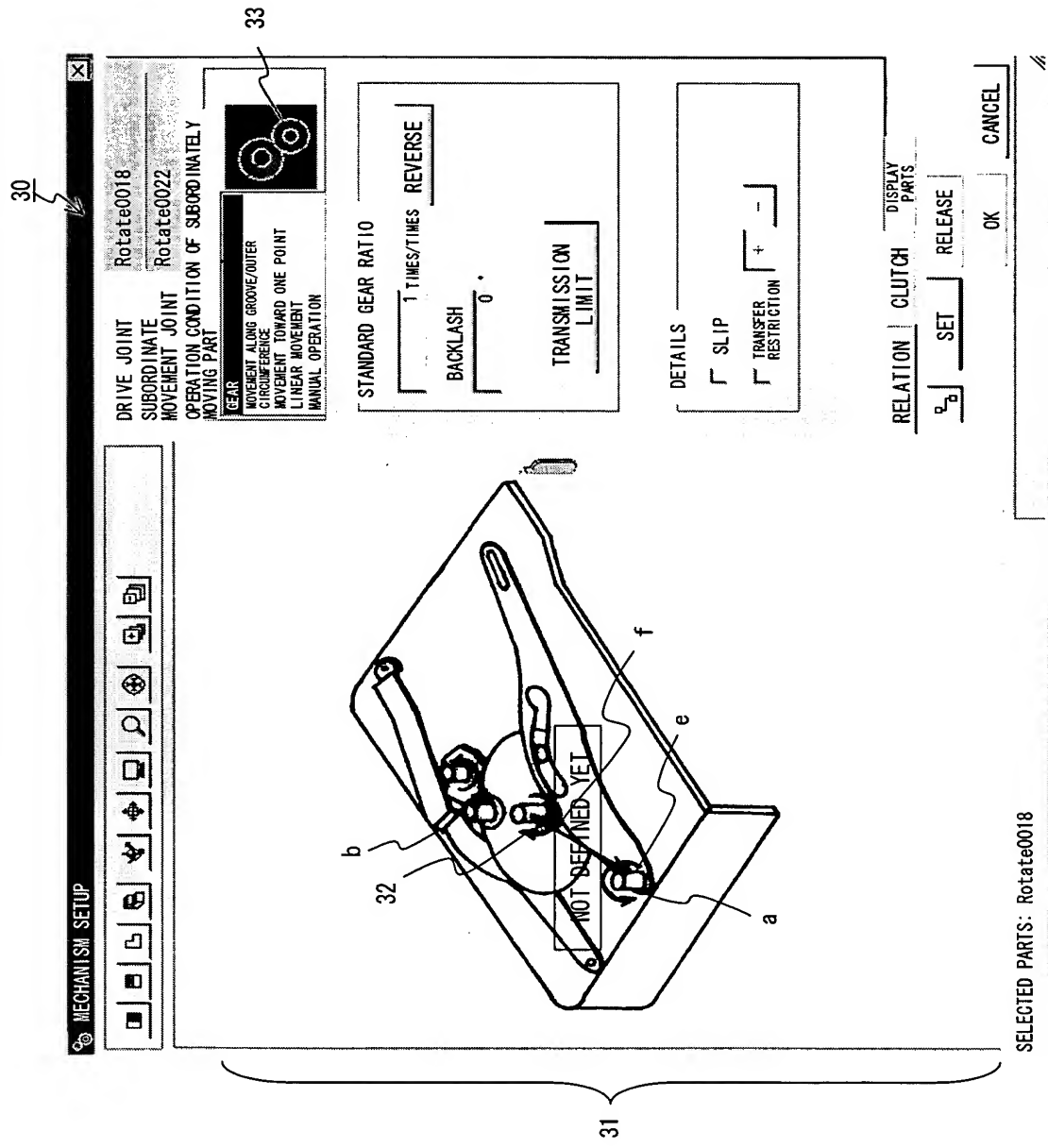


FIG. 17

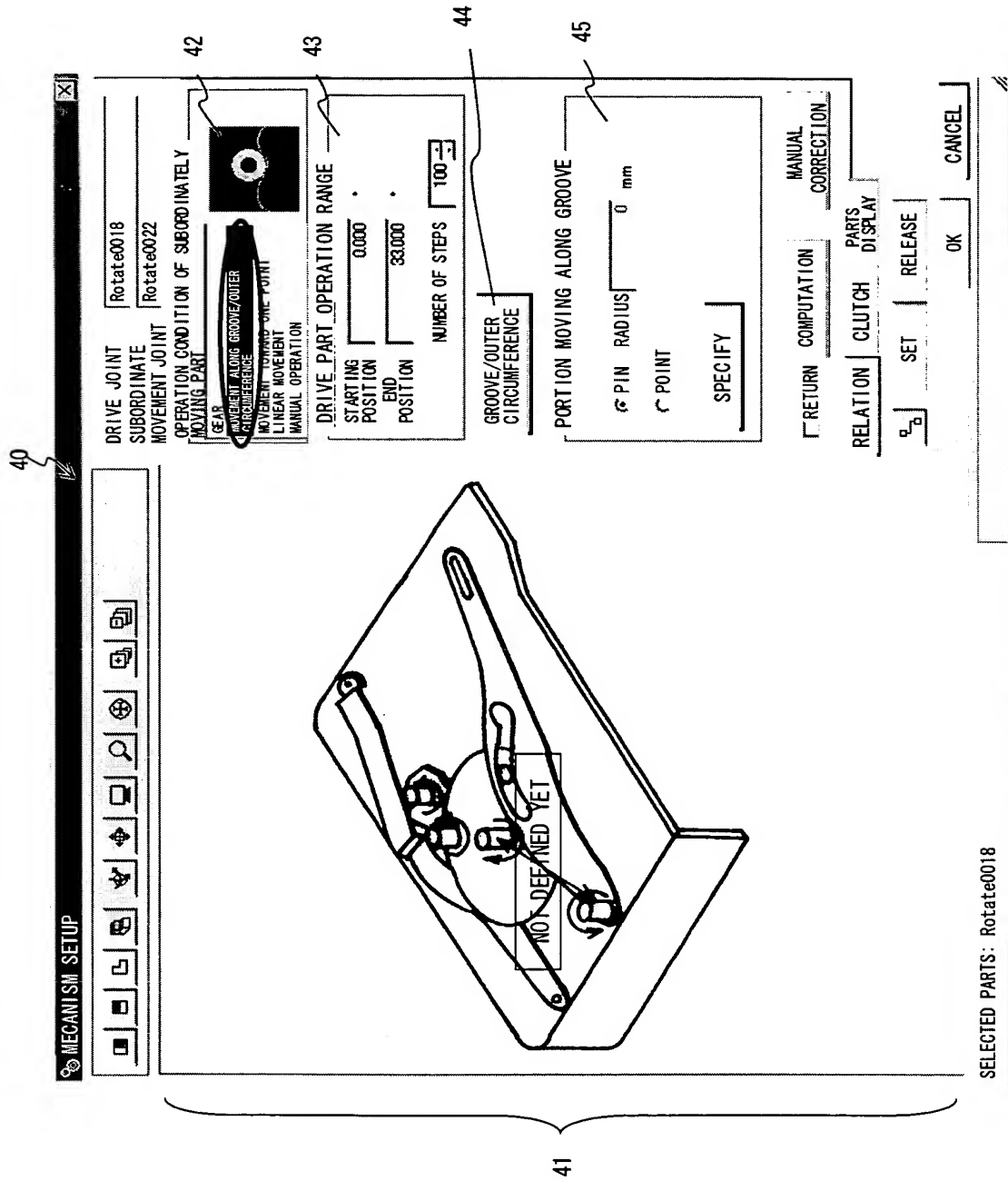


FIG. 18

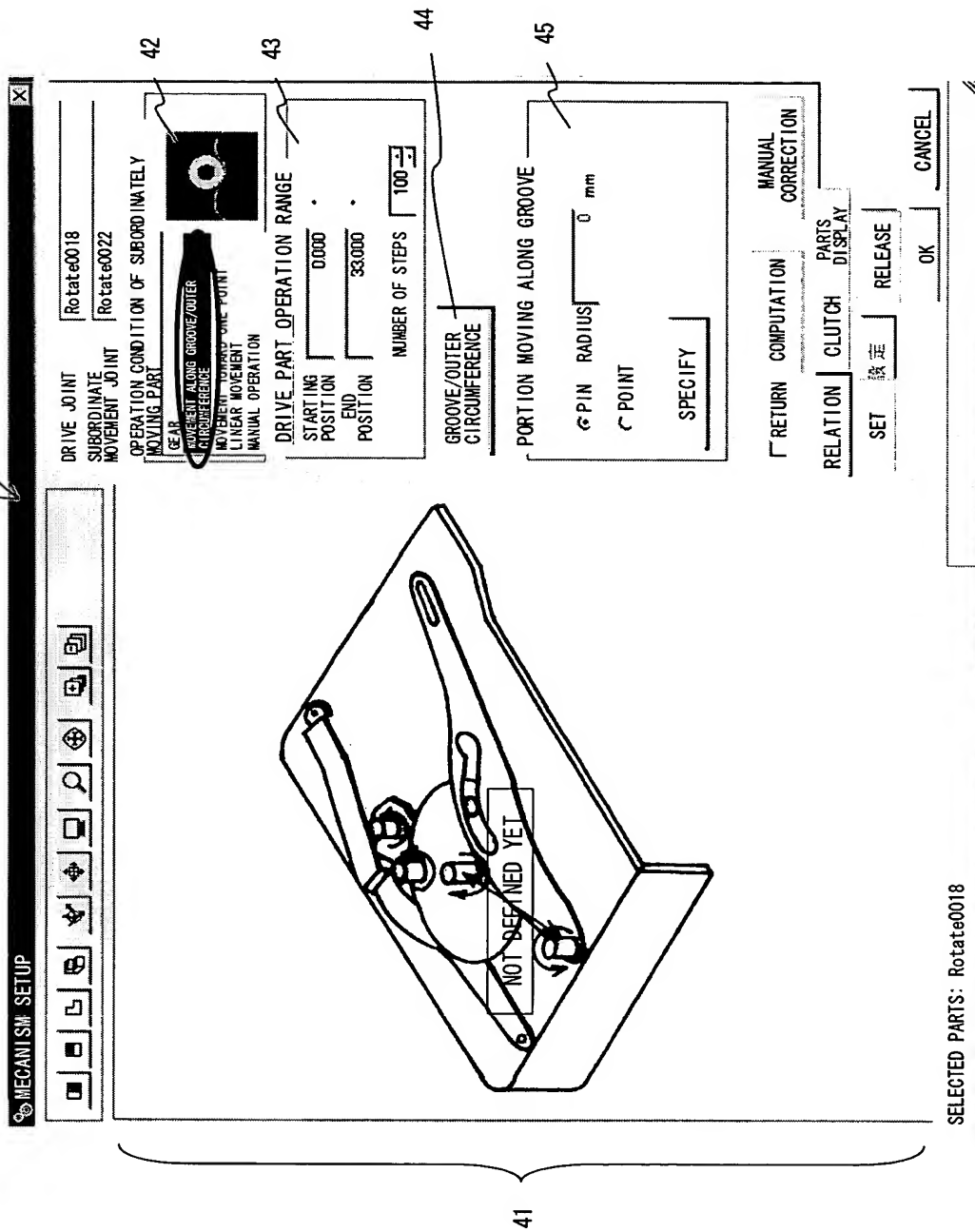


FIG. 19

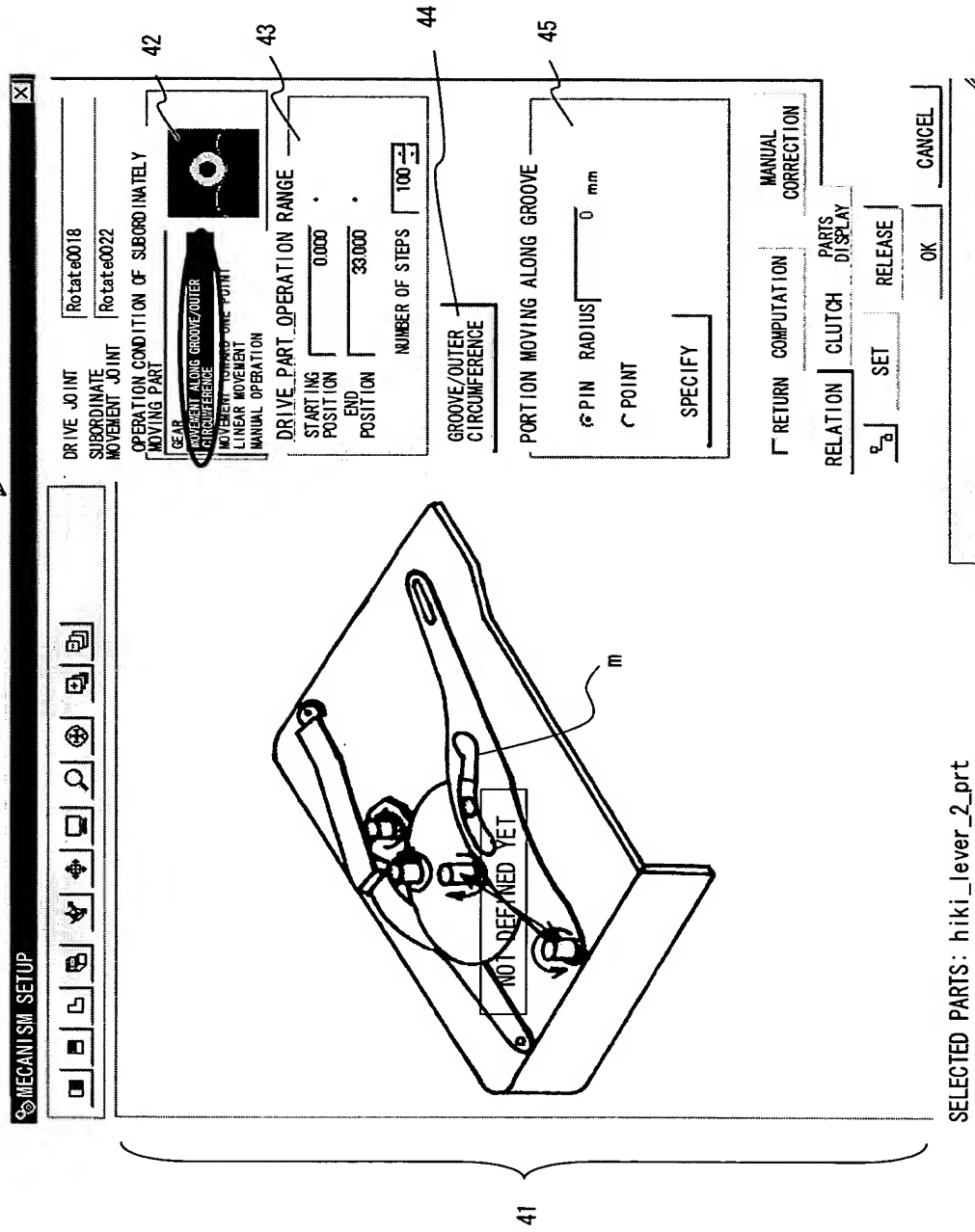
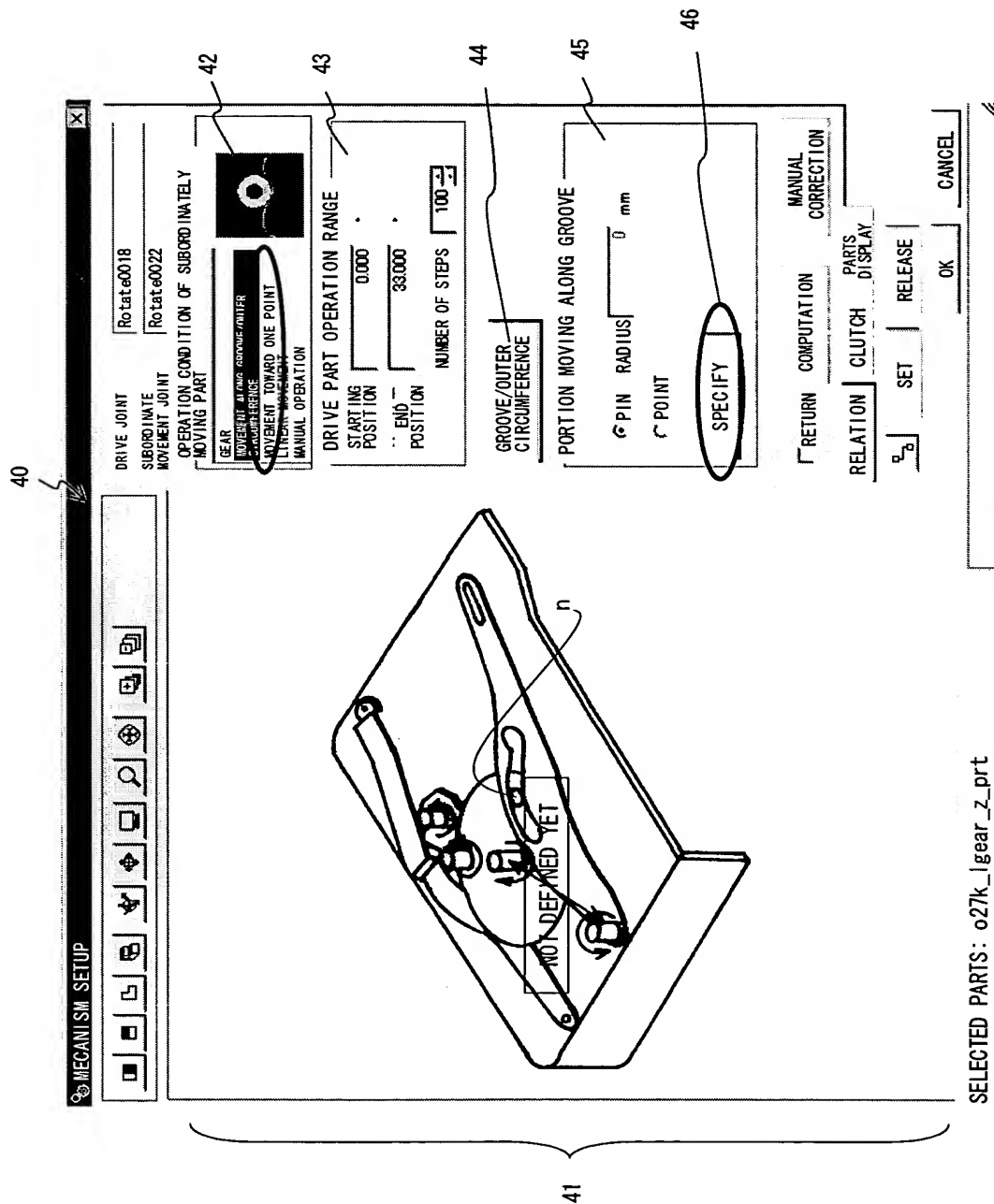


FIG. 20



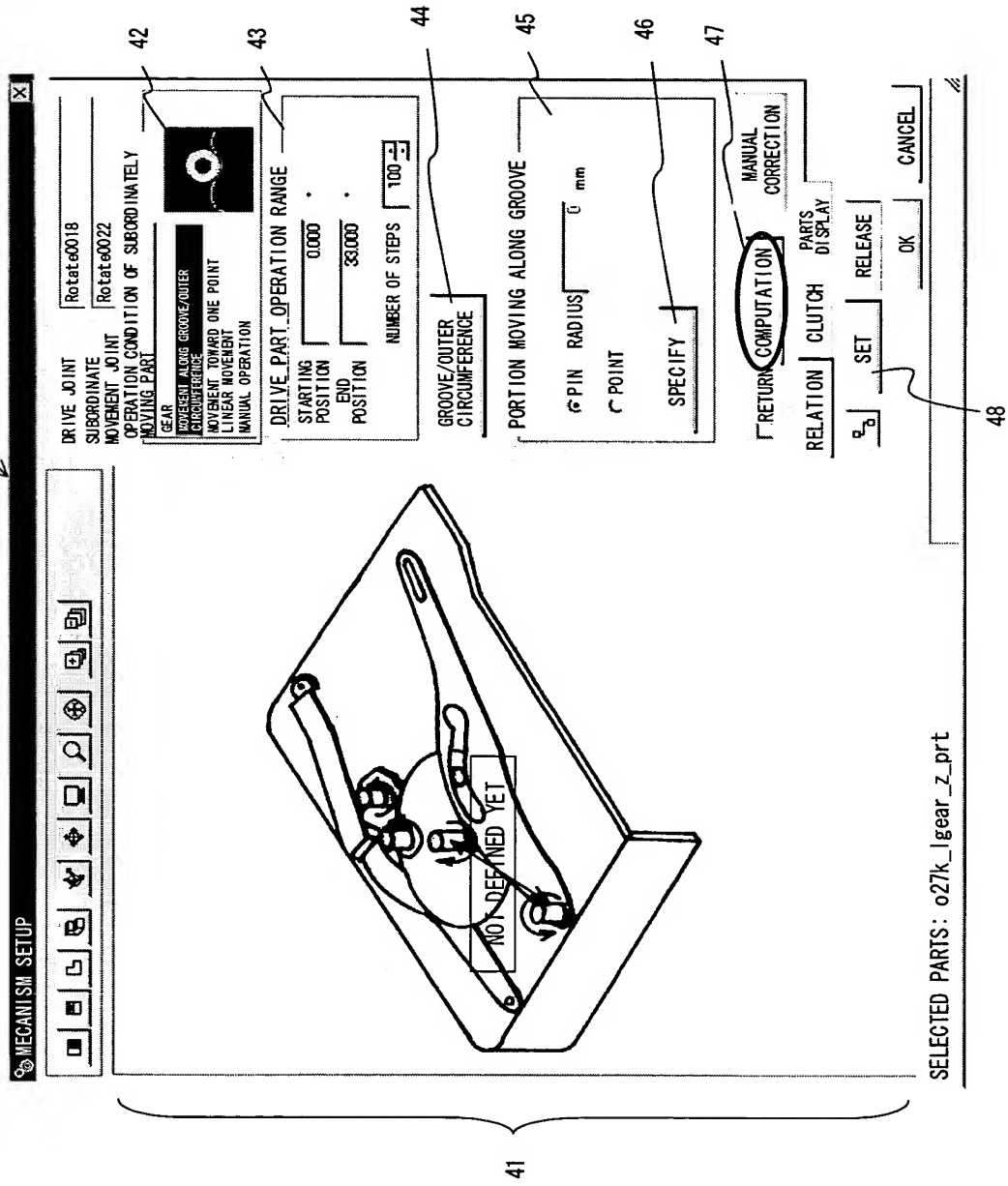


FIG. 22

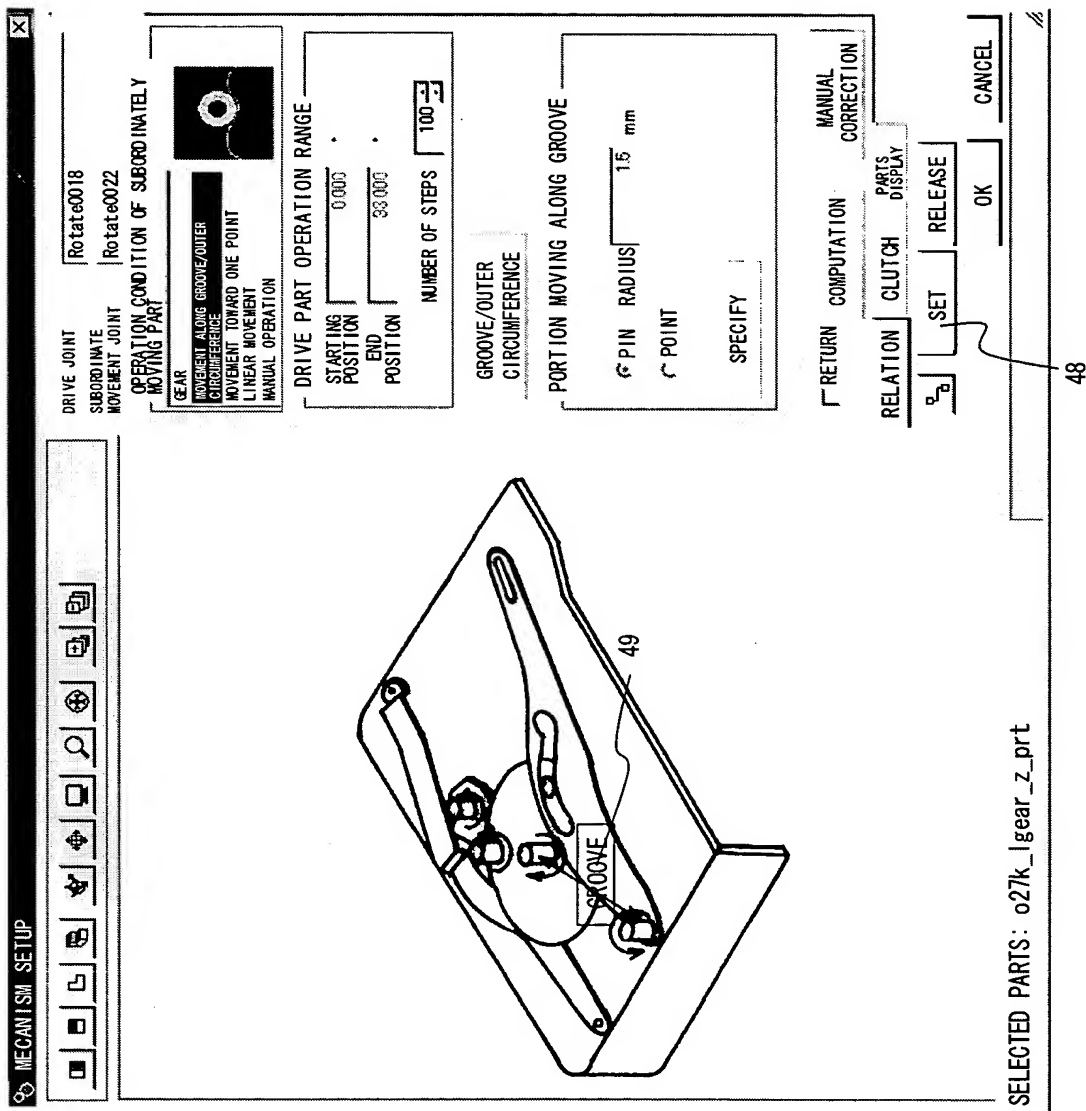


FIG. 23



X

MECHANISM SETUP

DRIVE JOINT
SUBORDINATE
MOVEMENT JOINT

Rotate0022
Rotate0026

OPERATION CONDITION OF SUBORDINATELY
MOVING PART

GEAR

MOVEMENT ALONG GROOVE/OUTER

CIRCUMFERENCE

MOVEMENT TOWARD ONE POINT

LINEAR MOVEMENT

MANUAL OPERATION

STANDARD GEAR RATIO

1 TIMES/TIMES REVERSE

BACKLASH

0

OPERATION

CHECK

DETAILS

SLIP

TRANSMISSION
LIMIT

RELATION CLUTCH PARTS
DISPLAY

SET RELEASE

OK

CANCEL

SELECTED PARTS: Rotate0022

| MOVING UNIT A | MOVING UNIT B |
|---------------|---------------|
| 0.00 | -0.06 |
| 0.01 | -0.03 |
| 0.02 | 0.00 |
| 0.03 | 0.03 |
| : | : |

F I G. 2 5 A

| MOVING UNIT B | MOVING UNIT C |
|---------------|---------------|
| 0.00 | 0.00 |
| 0.01 | 0.01 |
| 0.02 | 0.02 |
| 0.03 | 0.03 |
| : | : |

F I G. 2 5 B

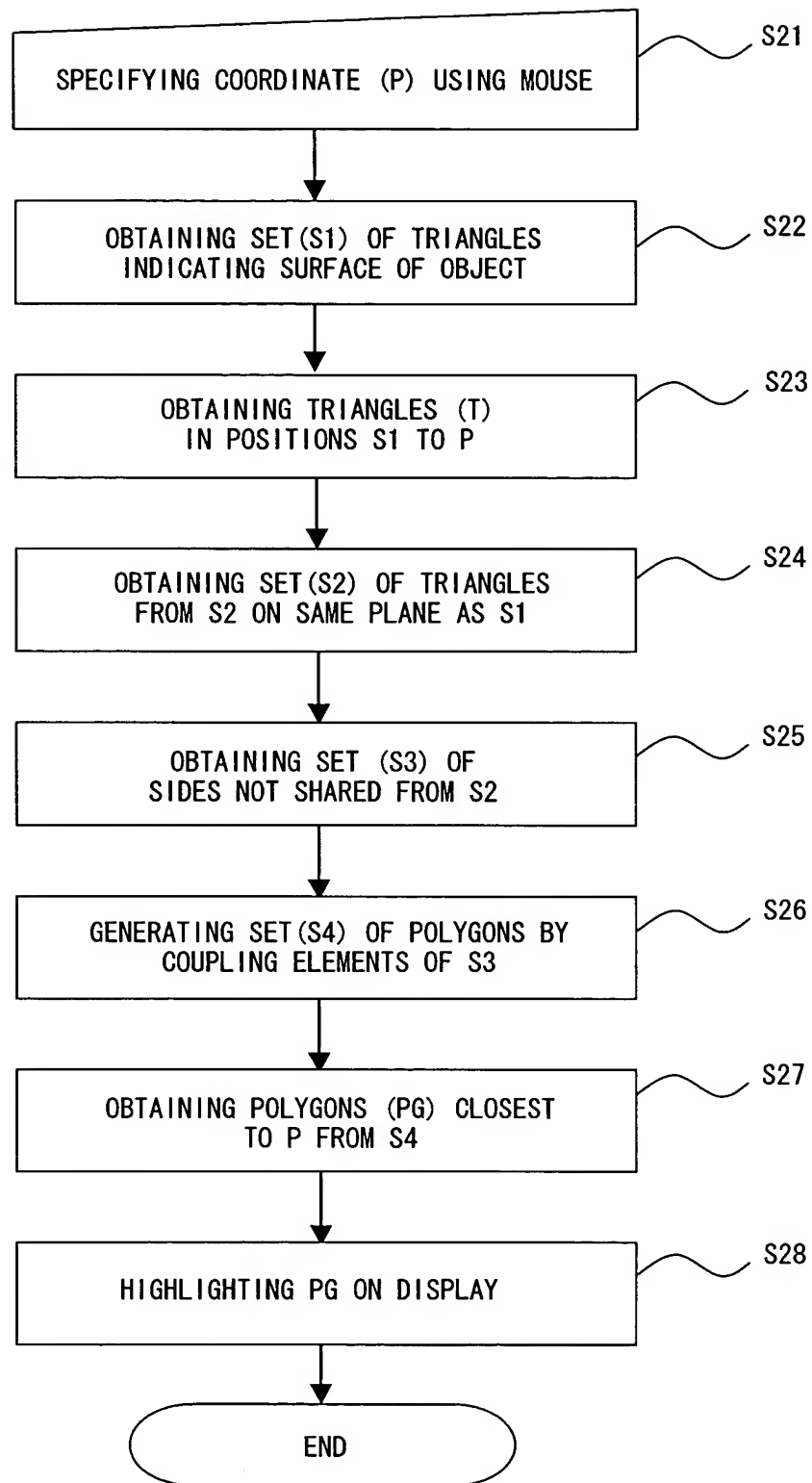


FIG. 26

DATA STRUCTURE OF SHAPE DATA

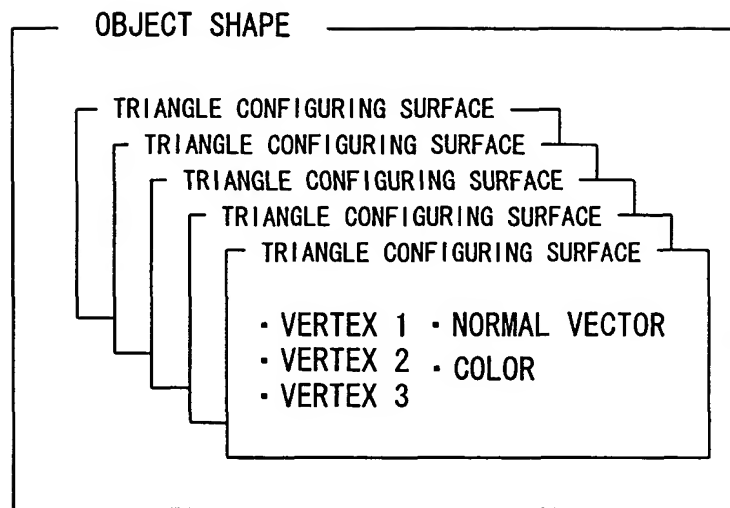


FIG. 27A

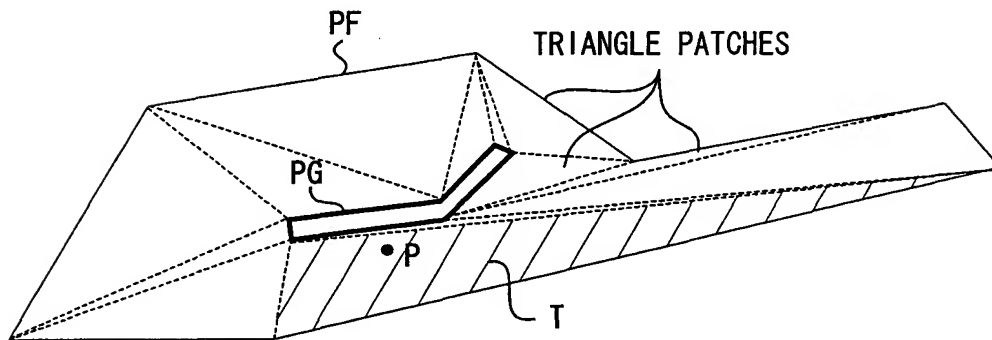


FIG. 27B

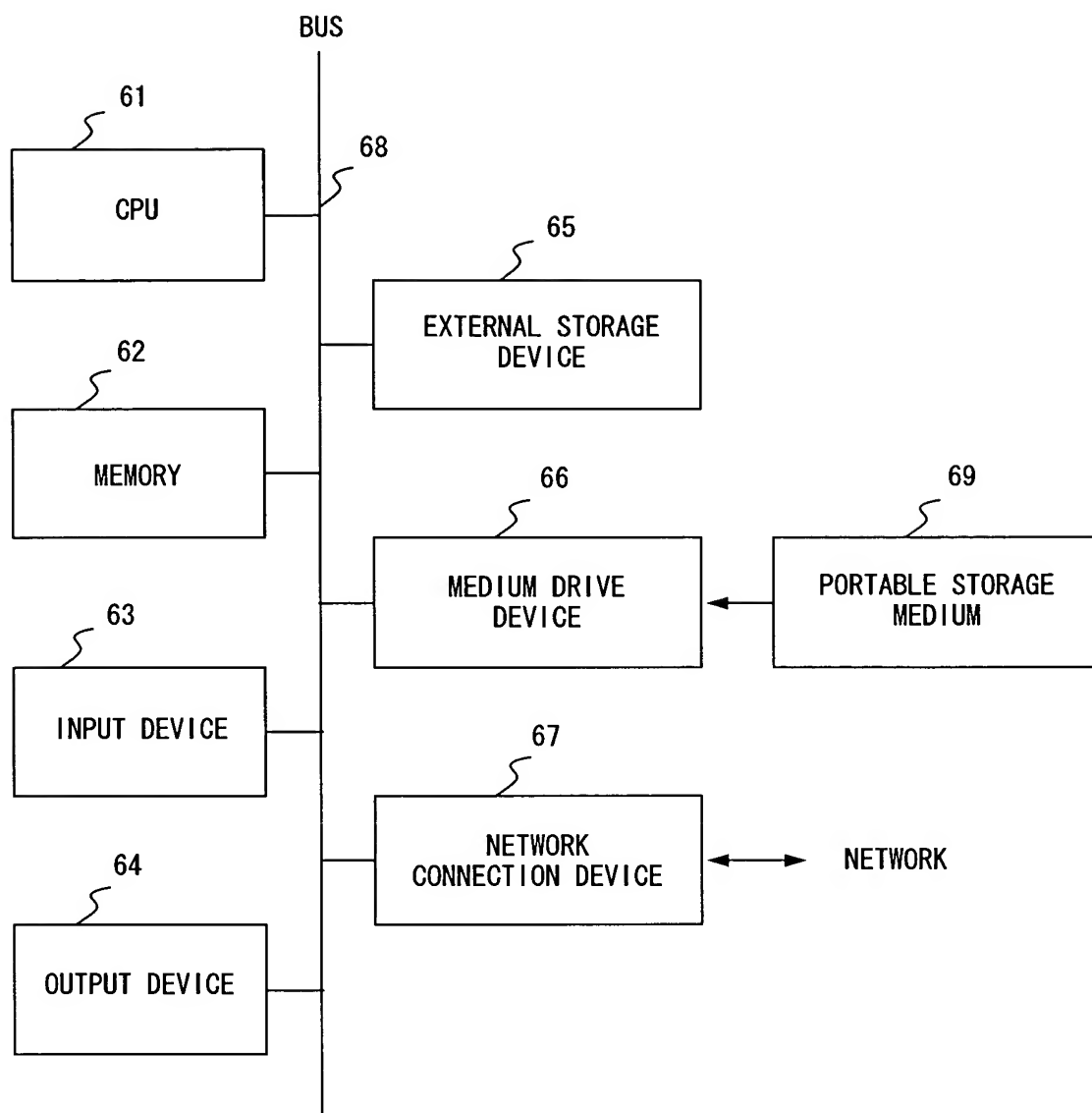


FIG. 28

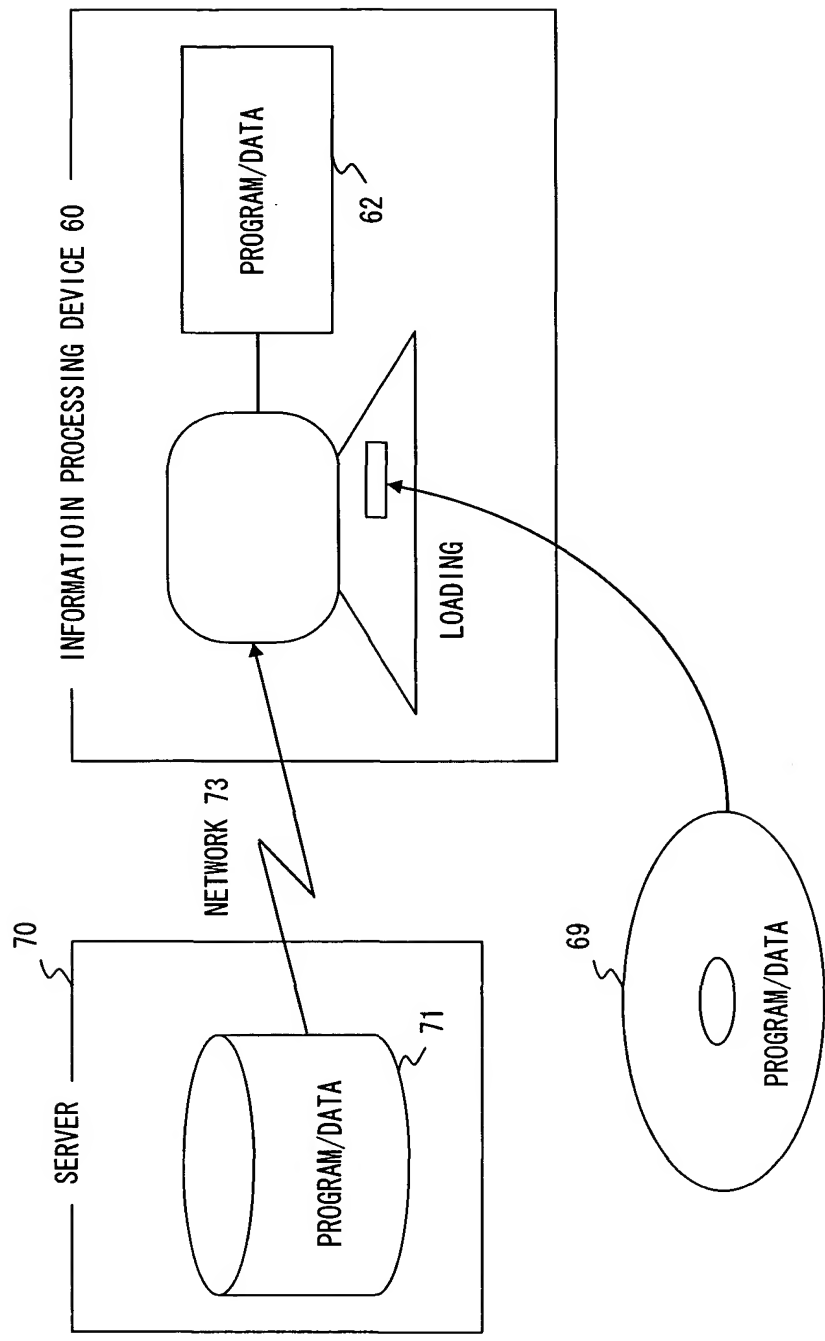


FIG. 29